BOSCH
Invented for life

FPA-1200 Fire Panel

- **Easy upgrade to 2 loops by second LSN 0300 A module**
- **Connection of up to 254 elements (127 per loop)**
- **Remote operation by up to 3 Remote Keypads**
- **Accommodates up to 6 functional modules for easy adaptation to different local requirements**
- **Auto-detection of modules**
- **Plug-in of modules during operation**
- **Serial interface to Bosch Voice Evacuation System (EVAC)**

Using the well-known LSN bus technology, the FPA-1200 Fire Panel offers efficient protection for small and medium-sized objects and is the ideal solution for 1- and-2-loop applications. It comes as standard with housing, controller, functional modules, power supply and additional accessories according to the country-specific requirements. It is ready-to-go after installation and configuration.

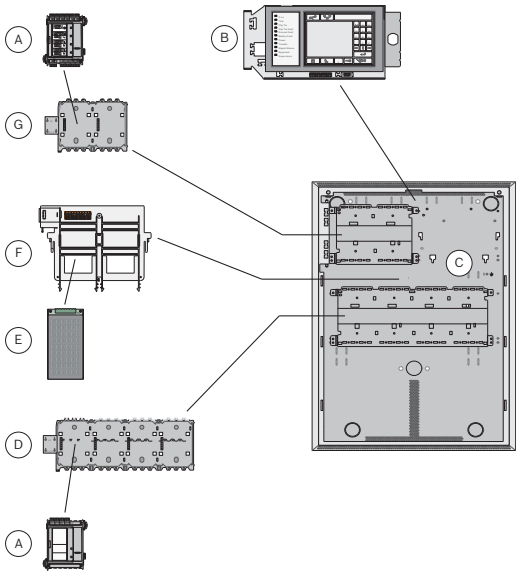
The configuration of the FPA-1200 is set using the FSP-5000-RPS programming software (included in the delivery) on a laptop connected to the panel.

An Ethernet interface allows for the connection to a Building Management System (BIS Bosch Building Integration System) via an OPC server. Additionally, an ADC-5000-OPC License Key is required to access the OPC server.

Another serial interface provides the option to use the FPA-1200 with the new Bosch Voice Evacuation System (EVAC). For detailed information about the connection, refer to the data sheets on IOS 0020 and IOS 0232 Communication Modules.

The FPA-1200 can also be connected to the Bosch UGM-2020 Universal Security System (requires an FPE-5000-UGM Interface Module), and thus, be integrated into a large network system.

System Overview



Pos.	Description
A	Functional Modules
B	Panel Controller
C	Panel Housing
D	Panel Rail Long
E	Power Supply

Pos.	Description
F	Power Supply Bracket
G	Panel Rail Short

Region	Certification	
Belgium	BOSEC	TCC2-738B-742B_FR_FPA-5000-1200
		TCC2-738B-742B_NL_FPA-5000-1200

Functions

Panel controller

The Panel Controller is the core of the system and shows all messages on the 5.7” touch display. 11 LEDs provide continuous information about the operating status of the control panel and / or system.

The operation of the panel controller and the processing of all messages are performed on the LCD touch display as well. Messages and events are saved internally and can be viewed on the display at any time. A log printer for printing incoming messages can be connected.

The configuration is set and transmitted using the FSP-5000-RPS programming software on a laptop connected to the USB interface of the panel controller.

Modules

The functional modules are autonomous, encapsulated units that can be inserted into any control panel slot using "plug-and-play" technology. Thus, the power supply and the data traffic to the control panel are indicated automatically without any additional settings. The module is automatically identified by the control panel and is run in default operating mode.

The wiring of peripherals is connected by pluggable screw terminals.

After the replacement of a module, only the terminals need to be reinserted; extensive rewiring is no longer required.

The following modules are included in the standard package. Additional modules for special applications can be ordered separately.

Module	Description
BCM-0000-B	Battery Controller Module • module that controls batteries and power supply
LSN 0300 A	LSN Module 300 mA • for the connection of an LSN loop with up to 127 elements, maximum line current 300 mA
RML 0008 A (Poland only)	Relay Module • with 8 relays for low voltage applications

Certifications and Approvals

Region	Certification	
Europe	CE	FPA-1200
	CPD	0786-CPD-20819 FPA 1200

Installation/Configuration Notes

- Upgrade to 2 loops requires second LSN 0300 A Functional Module
- Max. 2 LSN 0300 A Modules allowed
- Up to 127 LSN elements on each loop
- Max. 6 functional modules in total

Parts Included

Quant.	Component
1	FPA-1200-MPC Panel Controller
1	LSN 0300 A Module 300 mA
1	BCM 0000 B Battery Controller Module
1	PRS 0002 A Panel Rail Short
1	PRD 0004 A Panel Rail Long
1	FPO-5000-PSB-CH Power Supply Bracket
1	UPS 2416 A Universal Power Supply
1	HCP 0006 A Panel Housing
3	FDP 0001 A Dummy Cover Plate
1	RML 0008 A Relay Module (Poland only)
1	CD with FSP-5000-RPS Programming Software

Technical Specifications

Electrical

Operating voltage	20 V DC to 30 V DC

Mechanics

Display element	5.7”LCD display
Operating element	Touch screen
Interfaces	• Ethernet • USB • RS232
Signal inputs	2
Dimensions (H x W x D)	638 mm x 440 mm x 149 mm (25.1 x 17.2 x 5.87 inch)
Weight	Approx. 20 kg (44 lb)

Environmental conditions

Permissible operating temperature	-5 °C to 50 °C
Permissible storage temperature	-20 °C to 60 °C
Protection class as per IEC 60529	IP 30

Ordering Information

FPA-1200 Fire Panel, BE lettering and user documentation in Dutch and French	**FPA-1200-BE**
FPA-1200 Fire Panel, CZ lettering and user documentation in Czech	**FPA-1200-CZ**
FPA-1200 Fire Panel, DE lettering and user documentation in German	**FPA-1200-DE**
FPA-1200 Fire Panel, DK lettering and user documentation in Danish	**FPA-1200-DK**
FPA-1200 Fire Panel, ES lettering and user documentation in Spanish	**FPA-1200-ES**
FPA-1200 Fire Panel, GR lettering and user documentation in Greek	**FPA-1200-GR**
FPA-1200 Fire Panel, HU lettering and user documentation in Hungarian	**FPA-1200-HU**
FPA-1200 Fire Panel, IT lettering and user documentation in Italian and German	**FPA-1200-IT**
FPA-1200 Fire Panel, PL lettering and user documentation in Polish	**FPA-1200-PL**
FPA-1200 Fire Panel, PT lettering and user documentation in Portuguese	**FPA-1200-PT**
FPA-1200 Fire Panel, NL lettering and user documentation in Dutch	**FPA-1200-NL**
FPA-1200 Fire Panel, RO lettering and user documentation in Romanian and English	**FPA-1200-RO**
FPA-1200 Fire Panel, RU lettering and user documentation in Russian	**FPA-1200-RU**
FPA-1200 Fire Panel, TR lettering and user documentation in Turkish	**FPA-1200-TR**
FPA-1200 Fire Panel, ZA lettering and user documentation in English	**FPA-1200-ZA**
FPA-1200 Fire Panel, APR lettering and user documentation in English	**FPA-1200-APR**
FPA-1200 Fire Panel, Export lettering and user documentation in English	**FPA-1200-Export**
Accessories	
BCM-0000-B Battery Controller Module monitors the power supply of the fire and the charging of the batteries	**BCM-0000-B**
ANI 0016 A Annunciator Module displays the status of 16 individually programmable detection points	**ANI 0016 A**
LSN 0300 A LSN improved Module 300 mA for connecting an LSN loop with up to 254 LSN improved elements or 127 classic LSN elements, with a maximum line current of 300 mA	**LSN 0300 A**
CZM 0004 A 4 Zone Conventional Module for connecting existing conventional peripherals; providing four monitored conventional lines	**CZM 0004 A**

Ordering Information

IOS 0020 A 20 mA Communication Module provides one interface each of S20, RS232 and S1	**IOS 0020 A**
IOS 0232 A RS232 Communication Module for connecting two devices, e.g. voice alarm system Plena, a laptop or a printer, via two independent serial interfaces	**IOS 0232 A**
ENO 0000 B Fire Service Interface Module for connecting fire service equipment in compliance with DIN 14675	**ENO 0000 B**
IOP 0008 A Input/Output Module for individual displays or flexible connection of various electrical devices, providing eight independent digital inputs and eight open collector outputs	**IOP 0008 A**
RML 0008 A Relay Module for low voltage, providing 8 change-over contact relays (type C)	**RML 0008 A**
RMH 0002 A Relay Module for monitored connection of external elements with feedback, providing 2 change-over contact relays (type C) for high voltage	**RMH 0002 A**
NZM 0002 A Notification Appliance Zone Module for connecting 2 separate notification appliance zone lines, providing 2 monitored primary lines	**NZM 0002 A**
FPE-5000-UGM Interface Module for connecting the fire panels FPA-5000 and FPA-1200 to superordinate systems (UGM 2020, FAT 2002/RE, FSM-2000)	**FPE-5000-UGM**
PSL 0001 A Labelling Strips, Small 20 sheets each with 10 strips, printable, for the ANI I0016 A Annunciator Module	**PSL 0001 A**
PSK 0001 A Labelling Strips, Wide 20 sheets each with 6 strips, printable, for the functional modules BCM-0000-B, LSN 0300 A, LSN 1500 A, CZM 0004 A, NZM 0002 A, RMH 0002 A, CTM 0002 A and ENO 0000 B	**PSK 0001 A**
FLM-420-EOL2W-W EOL Module LSN for EN 54-13 compliant termination of LSN stubs or T-taps	**FLM-420-EOL2W-W**
FLM-320-EOL2W Conventional EOL Module 2-Wire for EN 54-13 compliant termination of conventional lines	**FLM-320-EOL2W**
ADC-5000-OPC License Key enables reliable communication between the BIS software and the fire panels FPA-1200 or FPA-5000 or networks	**ADC-5000-OPC**
THP 2020 A Thermal Printer comes standard with frame-mount housing. Additionally required: FSH 0000 A Mounting Frame Small (surface-mounting) or FRS 0002 A 19" Rack Installation Kit Small.	**THP 2020 A**

Ordering Information

CPA 0000 A Cable Set AT 2000 Used to connect an AT 2000 to the MPC and the ENO 0000 B.	**CPA 0000 A**
Battery 12 V / 38 Ah	**IPS-BAT12V-38AH**

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